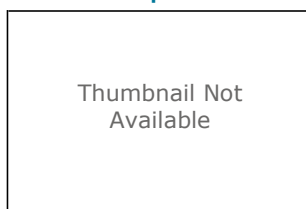


GA1 Groundwater Classification

Shapefile



Tags

groundwater, well, wellhead, protection, classification

Summary

In 1991, in response to growing public awareness and concern, New Hampshire's Groundwater Protection Act (RSA 485-C) was enacted to protect and preserve valuable groundwater resources. The act recognizes the importance of groundwater to municipalities and public water suppliers and authorizes these local entities to develop local groundwater protection programs. The act establishes four classes of groundwater—GAA, GA1, GA2 and GB—and a process to "reclassify" groundwater to a classification that better protects current or future water supply resources. Areas are initially classified as GA2 (certain high-yield stratified-drift aquifers) and GB (all other areas). The term "reclassification" refers to the change from class GA2 or GB to a classification affording greater local and state protection (GAA or GA1).

Description

Pursuant to the Groundwater Protection Act section 485-C:5, all groundwater shall be classified for the purpose of prescribing protections and management practices. This layer partially represents the area(s) listed within RSA, including areas with greater state and local protections. Classifications do not necessarily reflect existing water quality.

Reclassification to GA1 requires the entity to develop a Potential Contaminant Source (PCS) management program that regularly provides notice and information concerning best management practices and conducts inspections of PCS facilities.

Credits

NHDES

Use limitations

User is required to read metadata completely before using the data. The information provided in this coverage is a subset of spatial databases developed by the New Hampshire Department of Environmental Services (NHDES). Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. The NHDES is not responsible for the use or interpretation of this information, or for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

Extent

West -71.279389 **East** -70.857278
North 43.133188 **South** 42.779556

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS New Hampshire, NH

THEME KEYWORDS groundwater, well, wellhead, protection, classification

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE GA1 Groundwater Classification

ALTERNATE TITLES GA1

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)**Resource Details ►**

DATASET LANGUAGES * English (UNITED STATES)
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS **completed**
 SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.1.3497

CREDITS
 NHDES

ARCGIS ITEM PROPERTIES

* NAME Groundwater_Classification_Areas_GA1
 * SIZE 0.016
 * LOCATION file://
 \\granite\apps\des\GIS\Core_GIS_Datasets\Environmental_Monitoring_and_Conservation\Groundwater_Classification_Areas_GA1.shp
 * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)**Extents ►**

EXTENT

DESCRIPTION

The data is up to date and only updated when new GA1 reclassifications occur or protection areas are modified.

TEMPORAL EXTENT

BEGINNING DATE 1991-01-01 00:00:00
 ENDING DATE 2014-02-18 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 * WEST LONGITUDE -71.279389
 * EAST LONGITUDE -70.857278
 * NORTH LATITUDE 43.133188
 * SOUTH LATITUDE 42.779556
 * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 1088217.875000
 * EAST LONGITUDE 1200312.250000
 * SOUTH LATITUDE 102912.437500
 * NORTH LATITUDE 231008.656250
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)**Resource Points of Contact ►**

POINT OF CONTACT

INDIVIDUAL'S NAME Pierce Rigrod
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services
 CONTACT'S POSITION Environmentalist IV
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 603-271-0688

ADDRESS

TYPE both
 DELIVERY POINT 29 Hazen Drive
 CITY Concord
 ADMINISTRATIVE AREA New Hampshire
 POSTAL CODE 03302
 COUNTRY US
 E-MAIL ADDRESS pierce.rigrod@des.nh.gov

[Hide Contact information ▲](#)[Hide Resource Points of Contact ▲](#)**Resource Maintenance ►**

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

User is required to read metadata completely before using the data. The information provided in this coverage is a subset of spatial databases developed by the New Hampshire Department of Environmental Services (NHDES). Development of these databases is an ongoing project. They may not contain all existing and potential sites, stations, or threats. The NHDES is not responsible for the use or interpretation of this information, or for any inaccuracies in the site names, tax map and lot information, or locations. All information is subject to verification. These data are to be used for planning purposes only. Distribution is discouraged.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102710

X ORIGIN -17463700

Y ORIGIN -48257000

XY SCALE 137246076.82899535

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.0032808333333333331

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3437

WELL-KNOWN TEXT PROJCS["NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet",GEOGCS

["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM

["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER

["False_Easting",984250.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-

71.666666666666667],PARAMETER["Scale_Factor",0.9999666666666667],PARAMETER["Latitude_Of_Origin",42.5],UNIT

["Foot_US",0.3048006096012192],AUTHORITY["EPSG",3437]]

REFERENCE SYSTEM IDENTIFIER

* VALUE 3437

* CODESPACE EPSG

* VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Groundwater_Classification_Areas_GA1

* OBJECT TYPE composite

* OBJECT COUNT 4

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Groundwater_Classification_Areas_GA1

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 4

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)[Hide Spatial Data Properties ▲](#)

Lineage ►

LINEAGE STATEMENT

The New Hampshire Groundwater Protection Act, passed by the state legislature in 1991, authorizes DES to regulate large groundwater withdrawals and commercial discharges of wastewater, establishes best management practices that must be employed by activities that are considered potential contamination sources, creates four classes of groundwater, establishes groundwater quality standards and enables local entities (e.g., water suppliers and town boards) to play a role in actively managing activities having the potential to contaminate valuable groundwater. DES's Groundwater Reclassification Program allows local entities to secure greater protection of valuable groundwater resources that serve as a current or future source of drinking water.

[Hide Lineage](#) ▲

Distribution ►**DISTRIBUTOR** ►**ORDERING PROCESS**

TERMS AND FEES No fee for standard export

INSTRUCTIONS

Please contact NHDES for information about acquiring this data layer.

[Hide Distributor](#) ▲

DISTRIBUTION FORMAT

* **NAME** Shapefile

TRANSFER OPTIONS

* **TRANSFER SIZE** 0.016

[Hide Distribution](#) ▲

Fields ►**DETAILS FOR OBJECT** [Groundwater_Classification_Areas_GA1](#) ►

* **TYPE** Feature Class

* **ROW COUNT** 4

DEFINITION

The second most restricted classification of groundwater. Reclassification to GA1 requires the entity to develop a Potential Contaminant Source (PCS) management program that regularly provides notice and information concerning best management practices and conducts inspections of PCS facilities.

DEFINITION SOURCE

NHDES

FIELD FID ►

* **ALIAS** FID

* **DATA TYPE** OID

* **WIDTH** 4

* **PRECISION** 0

* **SCALE** 0

* **FIELD DESCRIPTION**

Internal feature number.

* **DESCRIPTION SOURCE**

ESRI

* **DESCRIPTION OF VALUES**

Sequential unique whole numbers that are automatically generated.

[Hide Field FID](#) ▲

FIELD Shape ►

* **ALIAS** Shape

* **DATA TYPE** Geometry

* **WIDTH** 0

* **PRECISION** 0

* **SCALE** 0

* **FIELD DESCRIPTION**

Feature geometry.

* **DESCRIPTION SOURCE**

ESRI

* **DESCRIPTION OF VALUES**

Coordinates defining the features.

[Hide Field Shape ▲](#)**FIELD AREA ►**

* ALIAS AREA
 * DATA TYPE Double
 * WIDTH 18
 * PRECISION 17
 * SCALE 5

FIELD DESCRIPTION

Area of GA1 in square feet.

DESCRIPTION SOURCE

NHDES

[Hide Field AREA ▲](#)**FIELD PERIMETER ►**

* ALIAS PERIMETER
 * DATA TYPE Double
 * WIDTH 18
 * PRECISION 17
 * SCALE 5

FIELD DESCRIPTION

Perimeter of GA1 in feet.

DESCRIPTION SOURCE

NHDES

[Hide Field PERIMETER ▲](#)**FIELD Local_Ent ►**

* ALIAS Local_Ent
 * DATA TYPE String
 * WIDTH 50
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Location of the protection area; town or water system

DESCRIPTION SOURCE

NHDES

[Hide Field Local_Ent ▲](#)**FIELD A_reclass ►**

* ALIAS A_reclass
 * DATA TYPE String
 * WIDTH 150
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

The specific wells and their associated WHPAs that have been reclassified as GA1

DESCRIPTION SOURCE

NHDES

[Hide Field A_reclass ▲](#)**FIELD Contact ►**

* ALIAS Contact
 * DATA TYPE String
 * WIDTH 75
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Town or water system contact

DESCRIPTION SOURCE

NHDES

[Hide Field Contact ▲](#)**FIELD Address ►**

* ALIAS Address
 * DATA TYPE String
 * WIDTH 150
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Address of the water system or town office

DESCRIPTION SOURCE

NHDES

[Hide Field Address ▲](#)

[Hide Details for object Groundwater_Classification_Areas_GA1 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2016-02-18

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA INSPIRE

CREATED IN ARCGIS FOR THE ITEM 2013-03-19 10:24:40
LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-02-18 15:20:58

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2016-02-18 15:20:58

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Pierce Rigrod
ORGANIZATION'S NAME New Hampshire Department of Environmental Services
CONTACT'S POSITION Environmentalist IV
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE
VOICE 603-271-0688

ADDRESS

TYPE both
DELIVERY POINT 29 Hazen Drive
CITY Concord
ADMINISTRATIVE AREA New Hampshire
POSTAL CODE 03302
COUNTRY US
E-MAIL ADDRESS pierce.rigrod@des.nh.gov

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
UPDATE FREQUENCY annually

[Hide Metadata Maintenance ▲](#)

FGDC Metadata (read-only) ▼